



# Launch Mission Execution Forecast

**Mission:** Falcon 9 GPS III-9

**Issued:** 26 Jan 2026 / 1245L (1745Z)

**Valid:** 27 Jan 2026 / 2330 – 28/0005L (28/0430 – 0505Z)



**Forecast Discussion:** Much colder, drier air is filtering into Florida today behind a cold front that pushed through the region this morning. By tonight, northerly winds will significantly increase along the coast as the pressure gradient tightens. The wind speeds will become strong and will peak around midnight, before steadily decreasing throughout the day Tuesday as high pressure settles into the Southeast. The cold, dry air associated with the high will remain in place through most of the week, allowing for excellent launch weather conditions for both the primary and backup windows.

## Probability of Violating Weather Constraints<sup>1</sup>

Launch Day

<5%

Primary Concerns: None

### Weather Conditions

### Additional Risk Criteria<sup>2</sup>

Weather/Visibility:		Clouds				Upper-Level Wind Shear:	
Temp/Humidity:		Type	Coverage	Base (ft)	Tops (ft)	Booster Recovery Weather:	
None / 7 mi.						Low	
47°F / 65%		Cumulus	Few	2,000	5,000	Low	
Liftoff Winds (200'): 330° 12 - 17 mph						Solar Activity: Low	

## Probability of Violating Weather Constraints

24-Hour Delay

<5%

Primary Concerns: None

### Weather Conditions

### Additional Risk Criteria

Weather/Visibility:		Clouds				Upper-Level Wind Shear:	
Temp/Humidity:		Type	Coverage	Base (ft)	Tops (ft)	Booster Recovery Weather:	
None / 7 mi.						Low	
48°F / 60%		None				Low	
Liftoff Winds (200'): 310° 12 - 17 mph						Solar Activity: Low	

Notes

- The Probability of Violation (PoV) is the chance of a local safety or customer constraint violation occurring any random time during the launch window.
- Additional Risk Criteria, which are not included in the PoV, are mission-specific constraints that may not include all phenomena within each risk factor. See Launch FAQ <https://45thweathersquadron.nebula.spaceforce.mil/pages/launchForecastSupport.html> for more information

Next Forecast Will Be Issued

As Required